

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 301 SS SHEET

SPECIFICATION: SEE MATERIAL CONDITION TABLE

FINISH: UNPOLISHED No. 2B

PART NUMBER: M301S TT GA-HHH

WHERE "TT" = GAUGE THICKNESS
WHERE "HHH" = MATERIAL CONDITITION (SEE MATERIAL CONDITION TABLE)

EG. 16 GAUGE SS SHEET 2B FINISH 1/4 HARD MINIMUM = M301S16GA
EG. 19 GAUGE SS SHEET 2B FINISH 1/2 HARD = M301S19GA-H50

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.177 - 0.192
6	0.203125	0.193 - 0.208

MATERIAL CONDITION TABLE:

CODE	CONDITION	SPECIFICATION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	MIN 1/4 HARD	AMS 5517/ 5518/5902/5519, OR ASTM A666	75	125
H0	ANNEALED	AMS 5901 OR ASTM A666	30	75
H25	1/4 HARD	AMS 5517 OR ASTM A666	75	125
H50	1/2 HARD	AMS 5518 OR ASTM A666	110	150
H75	3/4 HARD	AMS 5902 OR ASTM A666	135	175
H100	FULL HARD	AMS 5519 OR ASTM A666	140	180

NOTES: COMPRESSIVE STRENGTH VARIES SIGNIFICANTLY DEPENDING
ON GRAIN DIRECTION. CARE IS REQUIRED FOR USE IN COMPRESSIVE
LOAD APPLICATIONS.
DESIGN VALUES ARE LOWER THAN SPECIFICATION MINIMUMS, REFER TO MMPDS.

B	ADDED MATERIAL CONDITION TABLE. USED MIN 1/4 HARD WHEN OMITTED SUCH AS NOT TO AFFECT EXISTING PARTS	NO	19.03.01
A	NEW ISSUE	RF	10.11.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	NO	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ZF	DRAWING NO.	REV. B
MFG. APPR.	JFS	M301S	SHEET 1 OF 1
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	301 SS SHEET	NTS
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APPROVED